

To: Naranjo, Eugenia[Naranjo.Eugenia@epa.gov]
Cc: Aymarie Accardi-Dey Ph.D.[aaccardidey@louisberger.com]; Len Warner[lwarner@louisberger.com]
From: Clifford Firstenberg
Sent: Fri 11/18/2016 7:58:41 PM
Subject: Fwd: Coring Locations in Southern Channel

Eugenia - please see the email from ARCADIS, below. I think the suggestion to use the PONAR rather than vibracore is a good option. Please advise if ok or if you would like to discuss (I'm about to board a flight, so a call would need to be next week. These locations are being rescheduled to the last day of work to allow time, if needed, to resolve.)

Thanks
Cliff

Clifford Firstenberg
Sent from my iPhone

Begin forwarded message:

From: "Combes, Jamie" <Jamie.Combes@arcadis.com>
Date: November 18, 2016 at 2:44:45 PM EST
To: "CFirstenberg@tierrasolutionsinc.com" <CFirstenberg@tierrasolutionsinc.com>, Brian Mikucki <bmikucki@tierrasolutionsinc.com>
Cc: "Dunn, Shannon" <Shannon.Dunn@arcadis.com>, "Gandhi, Gavin" <Gavin.Gandhi@arcadis.com>, "Hebert, Alain" <Alain.Hebert@arcadis.com>
Subject: Coring Locations in Southern Channel

Cliff/Brian,

There are 5 coring locations (230, 240, 241, 242, and 232) in the southern navigation channel, south of Shooters Island. There is traffic throughout the navigation channels, but we've observed near constant vessel traffic in the southern navigation channel. The Coast Guard told us we are not allowed to anchor in any of the channels, including the southern channel. There has been spotty success in finding sufficient sediment to sample at the mouth of the Kill van Kull channel. We have a number of concerns about vibracoring at these 5 locations. The inability to anchor creates a less stable vessel to work on, the high vessel traffic creates a hazard, and there may not be sufficient sediment to core in the channel given some of the low recoveries we have already seen.

After discussing internally, our first suggestion would be to ask EPA if we could collect grab samples with the ponars at these locations instead of using a vibracore. That process is much quicker and does not require the boat to anchor. It would also be consistent with the sampling method used in the other channels in the bay. The second option would be to ask EPA if we could move these locations outside of the channel so the boat could anchor and collect the cores more safely. Please let me know your thoughts.

Thanks,

Jamie

Jamie Combes | Senior Environmental Scientist | jamie.combes@arcadis.com

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